BLM-CARLSBAD FIELD OFFICE

Form 3160-3 FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007 (April 2004) UNITED STATES Lease Serial No. DEPARTMENT OF THE INTERIOR NMNM-120900 BUREAU OF LAND MANAGEMENT 6. If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7. If Unit or CA Agreement, Name and No. **✓** DRILL REENTER la. Type of work: 8. Lease Name and Well No. Oil Well | Gas Well ✓ Single Zone lb. Type of Well: Multiple Zone Acme 15 Federal Com 1 Name of Operator 9. API Well No. Devon Energy Production Company, LP 3a. Address 20 North Broadway 3b. Phone No. (include area code) 10. Field and Pool, or Exploratory Oklahoma City, Oklahoma City 73102-8260 405-552-7802 Lusk; Morrow (Gas) 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 11. Sec., T. R. M. or Blk. and Survey or Area NWSE 1650' FSL & 1650' FEL At surface Sec 15 T19S R31E At proposed prod. zone NWSE 1650' FSL & 1650' FEL 12. County or Parish 13. State 14. Distance in miles and direction from nearest town or post office* Approximately 13 miles southeast of Loco Hills, NM **Eddy County** NM 15. Distance from proposed* 16. No. of acres in lease 17. Spacing Unit dedicated to this well property or lease line, ft. (Also to nearest drig. unit line, if any) 1980 160 320 20. BLM/BIA Bond No. on file 19. Proposed Depth 18. Distance from proposed location* to nearest well, drilling, completed, 1320' applied for, on this lease, ft. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 3528' GL 10/01/2008 45 days 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form: 1. Well plat certified by a registered surveyor. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System Lands, the Operator certification SUPO shall be filed with the appropriate Forest Service Office) Such other site specific information and/or plans as may be required by the authorized officer. 25. Signature Name (Printed Typed) Date Stephanie A. Ysasaga 09/15/2008 Title Sr. Staff Engineering Technician Approved by (Signature) Name (Printed Typed) Date Title Office Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)



Brett Hudson Landman Devon Energy Corporation 20 North Broadway Oklahoma City, Oklahoma 73102-8260 (405) 228-8589 (405) 552-8113 FAX

September 19, 2008

Deputy State Director Bureau of Land Management P.O. Box 27115 Santa Fe, New Mexico 87502-0115

Re:

Request for Lease Suspension Federal Lease NMNM-101600 N/2 NE/4 and SE/4 NE/4 Section 15-T19S-R31E Eddy County, New Mexico



Ladies and Gentlemen:

Devon Energy Production Company, L.P. ("Devon") is in the process of applying for an Application for Permit to Drill ("APD") the Acme 15 Fed Com 1 well dedicating the E/2 of Section 15 as the spacing unit for this well. The NW/4 SE/4 of Section 15, among other lands, has been purchased by The Blanco Company at the July 16, 2008 Federal Lease Sale under Tract Number NM-200807-018. The entire Lease Sale has been protested and the lease has yet to be issued.

Federal Lease NMNM-101600 which will be included in the spacing unit for this well is set to expire at Midnight on November 30, 2008. In that regard, Devon respectfully requests the Bureau of Land Management approve a suspension of operations and production for lease NMNM-101600 pursuant to 43 CFR 3103.4-4 until such time as the drill site lease, Tract NM-200807-018 issues. The suspension should be effective September 1, 2008 being the first of the month in which this application is filed, expire on the first of the month that the lease is issued, and toll the running of the lease term and add the period of the suspension to the term of the lease. Lease rentals should also be suspended during the period of any suspension of operations and production.

Devon looks forward to your favorable response to this application. If there are any questions or if additional information is required, please feel free to contact me at (405) 228-8589.

Yours very truly,

DEVON ENERGY PRODUCTION COMPANY, L. P.

Brett A. Hudson Landman

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240

DISTRICT III

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102 Revised October 12, 2005

DISTRICT II 1301 W. Grand Avenue, Artesia, NM 88210

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

1000 Rio Brazos Rd., Aztec, NM 87410

H AMENDED REPORT

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

220 S. St. Francis D	r., Santa Fe, I	NM 87505						□ AMENDED	REPORT
		1	WELL LO	CATION	AND ACREA	GE DEDICATION	ON PLAT		
API	Number		1	Pool Code		Lus	Pool Name Lusk; Morrow (Gas)		
Property (Code			ACME	Property Nam "15" FEDE	RAL COM		Well Nu	mber
ogrid no	D.		DEVON	N ENERG	Operator Nam GY PRODUCT	ION COMPANY	LP	Elevat 3528	
			×		Surface Loca	ation			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	15	19 S	31 E		1650	SOUTH	1650	EAST	EDDY
			Bottom	Hole Loc	cation If Diffe	erent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	1	or Infill Co	nsolidation	Code Or	der No.				
Dedicated Acre	s Joint c	or min co	nsondadon	Couc Or	401 1101				
	OWABLE V	WILL BE A	SSIGNED '	TO THIS	COMPLETION UNIT HAS BEEN	UNTIL ALL INTER	RESTS HAVE BI	EEN CONSOLIDA	ATED
				KINIK	VM-101	1600	I hereby or contained here the best of my this organizatic interest or unleand including location pursue of such a mine applying a polying a polyi		nation lete to , and that being t in the hole an owner st, or to entered by 6/08 Date

NM-05470-C SURFACE LOCATION Lat - N32°39'27.86" Long - W103°51'14.1<mark>7</mark> SPC- N.: 603349.337 E.: 688874.850 (NAD-83) NMMM --1650'· 00POG

SURVEYOR CERTIFICATION

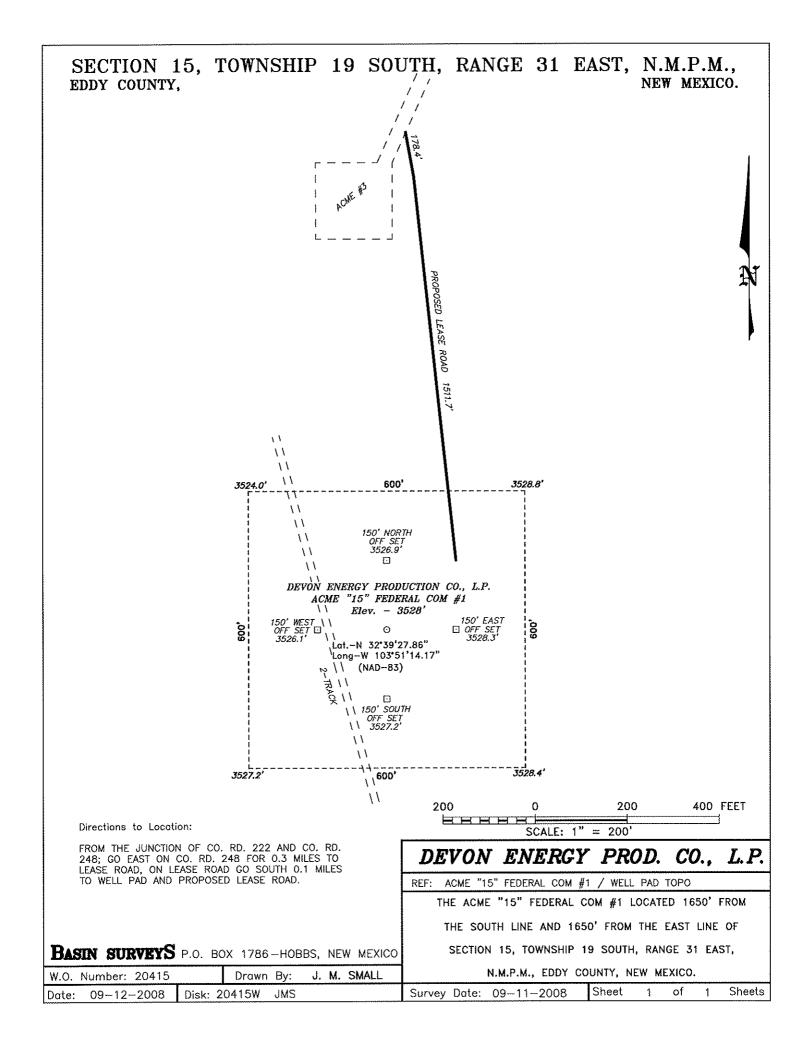
Printed Name

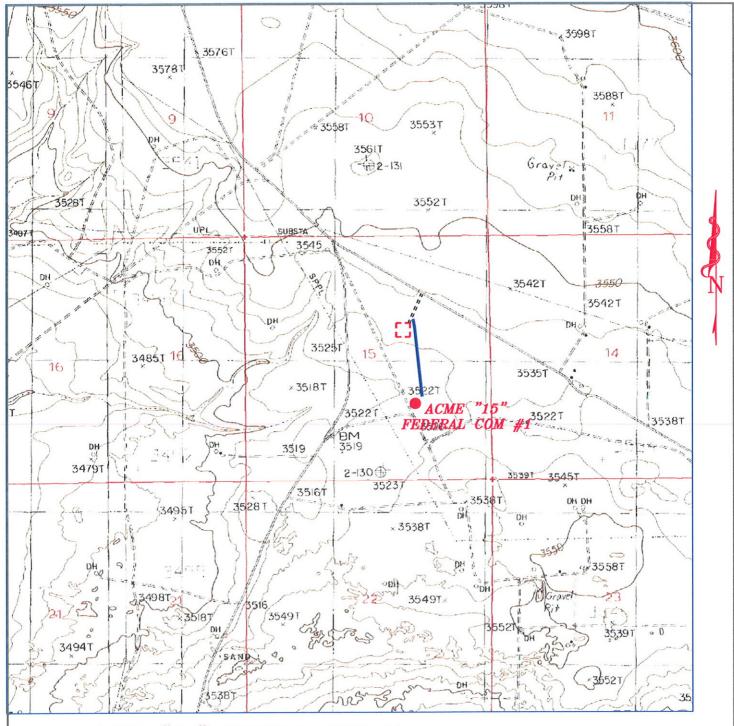
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.

2008 Date Sur Signatu Profes 7977

Certificate No. Gary L. Jones

BASIN SURVEYS





ACME "15" FEDERAL COM #1
Located at 1650' FSL AND 1650' FEL
Section 15, Township 19 South, Range 31 East,
N.M.P.M., Eddy County, New Mexico.



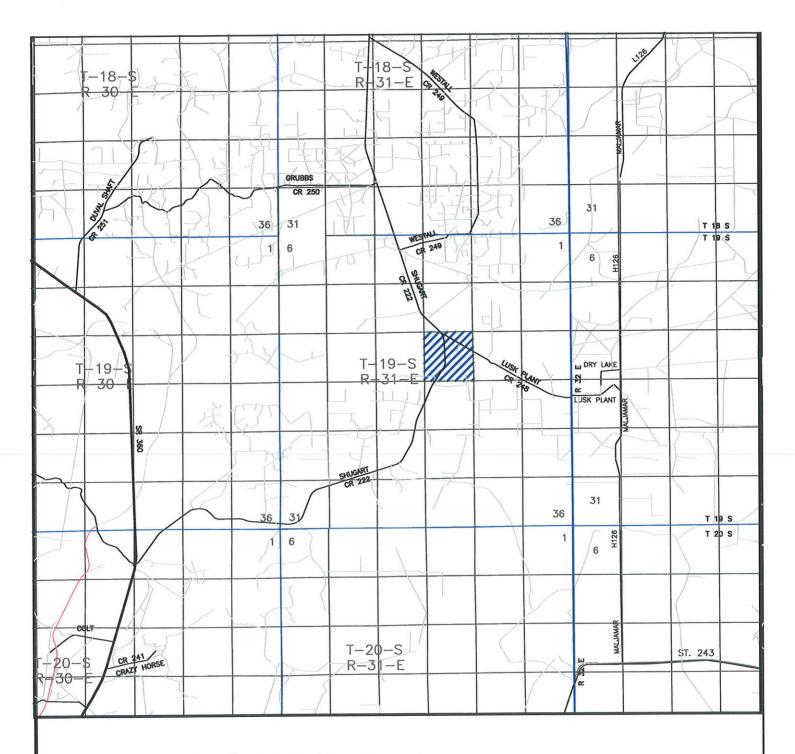
P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (575) 393-7316 - Office (575) 392-2206 - Fax basinsurveys.com W.O. Number: JMS 20415

Survey Date: 09-11-2008

Scale: 1" = 2000'

Date: 09-12-2008

DEVON ENERGY PROD. CO., L.P.



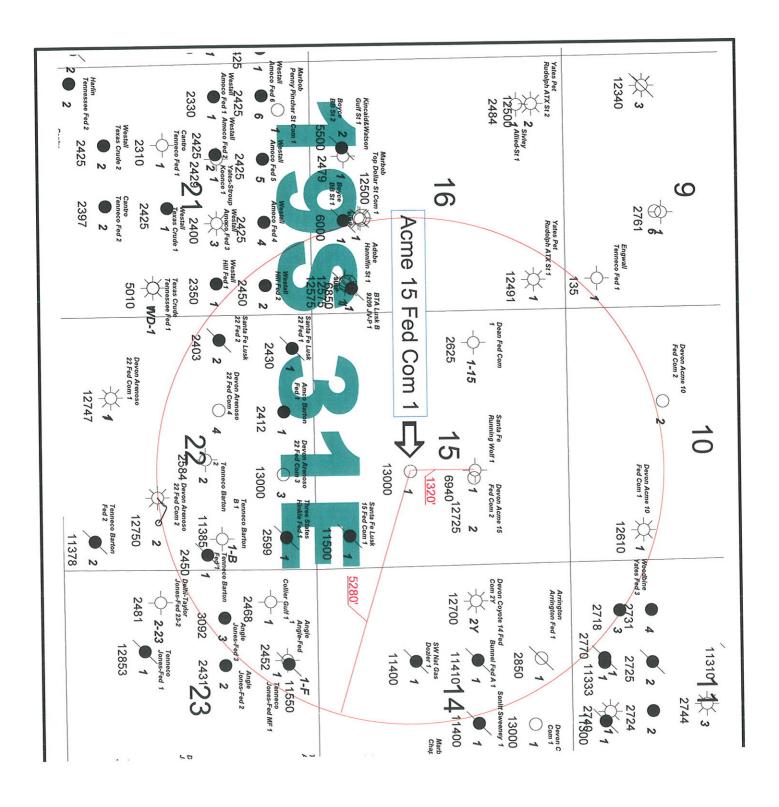
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P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (575) 393—7316 — Office (575) 392—2206 — Fax basinsurveys.com

W.O. Nu	mber:	JMS 20415	
Survey	Date:	09-11-2008	
Scale: 1	" = 2	MILES	
Date: (09-12-	2008	

DEVON ENERGY PROD. CO., L.P.



DRILLING PROGRAM

Devon Energy Production Company, LP

Acme 15 Federal Com 1

Surface Location: 1650' FSL & 1650' FEL, Unit J, Sec 15 T19S R31E, Eddy, NM Bottom hole Location: 1650' FSL & 1650' FEL, Unit J, Sec 15 T19S R31E, Eddy, NM

1. Geologic Name of Surface Formation

a. Quaternary

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

a.	Rustler Dol	590'	Wate
b.	Salado	835'	
c.	Base of Salado.	2175	
d.	Yates	2360'	Oil
e.	San Andres	2730'	Oil
f.	Delaware	4275'	Oil
g.	Bone Springs	6825'	Oil
h.	3 rd Bone Spring Ss	9625'	Oil
i.	Wolfcamp	10075	Gas
j.	Penn Shale	10475	Gas
k.	Strawn	11000°	Gas
1.	Atoka	11500'	Gas
m.	Morrow Clastics	12015'	Gas
n.	Lower Morrow	12300'	Gas
0,	Barnett Shale	12500'	
p.	Total Depth	12725'	

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 13 3/8" casing at 720' and circulating cement back to surface. Fresh water sands, salt & upper productive formations will be protected by setting 9 5/8" casing at 4280' and circulating cement to surface. The Morrow intervals will be isolated by setting 5 ½" casing to total depth and circulating cement above the base of the 9 5/8" casing.

3. Casing Program:

Hole	Hole Interval	OD Csg	Casing	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
Size			<u>Interval</u>			
17 1/2"	0', -720'	13 3/8"	0'- 720'	48#	ST&C	H-40
12 1/4"	0'- 4280'	9 5/8"	0'- 4280'	40#	LT&C	J-55
7 7/8"	0'-12725'	5 ½"	0'- 12725'	17#	LT&C	HCP-110

Design Parameter Factors:

Casing Size	Collapse Design	Burst Design	Tension Design
	Factor	<u>Factor</u>	<u>Factor</u>
13 3/8"	2.33	1.02	7.89
9 5/8"	1.16	1.27	2.74
5 ½"	1.15	3.35	2.09

4. Cement Program:

a.	13 3/8"	Surface	Cement with 300 sacks (35:65) Poz (Fly Ash): Class C Cement +
			2% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 6%
			bwoc Bentonite. Yield: 1.83 cf/sack. Tail with 250 sacks Class
			C Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sack Cello
			Flake to surface. Yield: 1.35 cf/sack. Displacement: 99.7 bbls
			Mud @ 8.5 ppg. TOC to surf.

b.	9 5/8"	Intermediate	Cement with 1100 sacks (35:65) Poz (Fly Ash): Class C Cement + 3% bwow Sodium Chloride + 0.25 lbs/sack Cello Flake + 5
			lbs/sack LCM-1 + 6% bwoc Bentonite + 0.005 gps FP-13L. Yield:
			2.01 cf/sack. Tail with 300 sacks (60:40) Poz (Fly Ash): Class C
			Cement + 4% bwoc MPA-1 + 5% bwow Sodium Chloride + 0.4%
			bwoc Sodium Metasilicate to surface. Yield: 1.37 cf/sack.
			Displacement: 345.8 bbls Mud @ 9 ppg. TOC to surf.

c. 5 1/2" Production 2 Stage Long String w/ DV @ 9,000' and TOC at 3780'. **STAGE 1**

Cement Slurry: 605 sacks (15:61:11) Poz (Fly Ash): Class C Cement: CSE-2 + 1% bwow Potassium Chloride + 0.75% bwoc EC-1 + 0.25 lbs/sack Cello Flake + 0.4% bwoc CD-32 + 5 lbs/sack LCM-1 + 0.6% bwoc FL-25 + 0.6% bwoc FL-52A. Yield: 1.59 cf/sack. Displacement: 288.7 bbls Displacement Fluid.

STAGE 2

Cement Slurry: 375 sacks (35:65) Poz (Fly Ash): Class H Cement + 0.25 lbs/sack Cello Flake + 3 lbs/sack LCM-1 + 6% bwoc Bentonite + 0.4% FL-52A. Yield: 1.95 Tail with 550 sacks (60:40) Poz (Fly Ash): Class H Cement + 1% bwow Sodium Chloride + 0.75% bwoc BA-10 + 0.1% bwoc R-3 + 0.25 lbs/sack Cello Flake + 2 lbs/sack Kol Seal + 4% bwoc MPA-1. Yield: 1.35 cf/sack. Displacement: 209.2 bbls Displacement Fluid.

The above cement volumes could be revised pending the caliper measurement from the open hole logs. The top of cement is designed to reach approximately 500' above the 9 5/8" casing shoe. All casing is new and API approved.

5. Pressure Control Equipment:

The blowout preventor equipment (BOP) shown in Exhibit #1 will consist of a (5M system) double ram type (5000 psi WP) preventor and a bag-type (Hydril) preventor (3000 psi WP) and rotating head. Both units will be hydraulically operated and the ram type preventor will be equipped with blind rams on top and 4 ½" drill pipe rams on bottom. An annular and rotating head will be installed on the 13% surface casing and utilized to setting depth of the 95%" intermediate casing. The annular and associated equipment will be tested to 1000 psi with the rig pump before drilling out the 13-3/8" casing shoe. The BOPE will be installed on the 95%" intermediate casing and utilized continuously until total depth is reached. Prior to drilling out the 9-5/8" casing shoe, the BOP's and Hydril will be tested as per BLM Drilling Operations Order #2.

Pipe rams will be operated and checked each 24-hour period and each time the drill pipe is out of the hole. These functional tests will be documented on the daily drillers log. A 2" kill line and 3" choke line will be incorporated in the drilling spool below the ram-type BOP. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines and choke manifold having 5000 psi WP rating.

6. Proposed Mud Circulation System

Depth	Mud Wt.	<u>Visc</u>	Fluid Loss	Type System
0' - 720'	8.5-9.5	28-35	NC	Fresh Water
720' – 4280'	10	28	NC	Brine Water
4280' - 10000'	8.4 - 9.8	28-30	NC	Cut Brine
10000'- 12725'	9.2 - 10.2	36-48	6 - 10 cc	Brine/Polymer

The necessary mud products for weight addition and fluid loss control will be on location at all times.

7. Auxiliary Well Control and Monitoring Equipment:

- a. A Kelly cock will be in the drill string at all times.
- b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
- c. Hydrogen Sulfide detection equipment will be in operation after drilling out the 13 3/8" casing shoe until the 5 1/2" casing is cemented. Breathing equipment will be on location upon drilling the 13 3/8" shoe until total depth is reached.

8. Logging, Coring, and Testing Program:

- a. Drill stem tests will be based on geological sample shows.
- b. If a drill stem test is anticipated; a procedure, equipment to be used and safety measures will be provided via sundry notice to the BLM.
- c. The open hole electrical logging program will be:
 - i. Total Depth to Intermediate Casing Dual Laterolog-Micro Laterolog with SP and Gamma Ray. Compensated Neutron Z Density log with Gamma Ray and Caliper.
 - ii. Total Depth to Surface Compensated Neutron with Gamma Ray
 - iii. No coring program is planned

iv. Additional testing will be initiated subsequent to setting the 5 ½" production casing. Specific intervals will be targeted based on log evaluation, geological sample shows and drill stem tests.

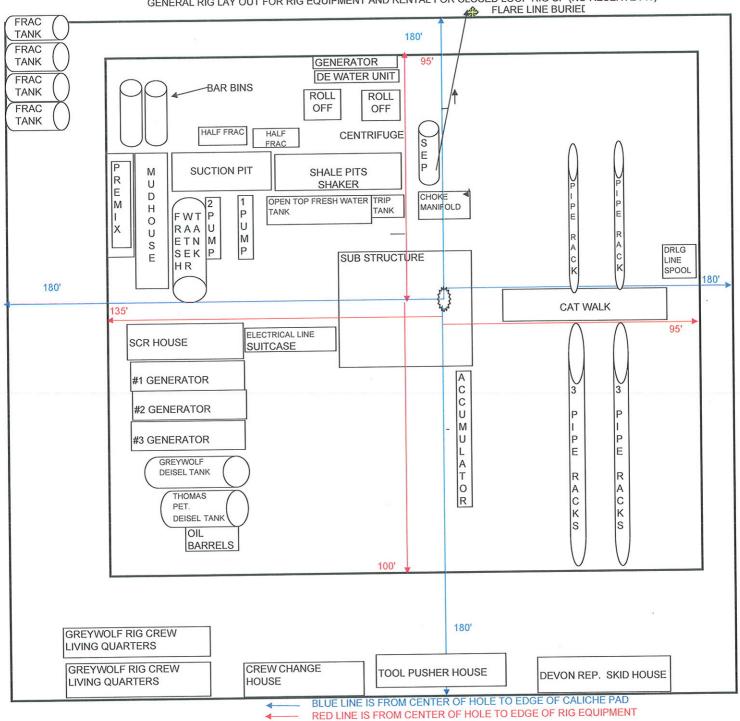
9. Potential Hazards:

a. No abnormal pressures or temperatures are expected. There is no known presence of H2S in this area. If H2S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6 No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 5000 psi and Estimated BHT 180°. No H2S is anticipated to be encountered.

10. Anticipated Starting Date and Duration of Operations:

a. Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 32 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.

GreyWolf RIG # 33
GENERAL RIG LAY OUT FOR RIG EQUIPMENT AND RENTAL FOR CLOSED LOOP RIG UP (NO RESERVE PIT)



District I 1625 N. French Dr., Hobbs, NM 88240 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

Name (Print): Stephanie A. Ysasaga

Stephanie. Ysasaga@dvn.com

Signature:___

e-mail address:

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For closed-loop systems that only use above

Form C-144 CLEZ

July 21, 2008

ground steel tanks or haul-off bins and propose to implement waste removal for closure, submit to the appropriate NMOCD District Office.

Closed-Loop System Permit or Closure Plan Application

(that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure) Type of action: Permit Closure

Instructions: Please submit one application (Form C-144 CLEZ) per individual closed-loop system request. For any application request other than for a closed-loop system that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, please submit a Form C-144. Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances. OGRID #:_____6137____ Operator: ____ Devon Energy Production Co., LP____ Address: _____ 20 North Broadway OKC, OK 73102-8260_____ Facility or well name: Acme 15 Federal Com 1_____ OCD Permit Number: API Number: U/L or Qtr/Qtr __J ___ Section ____15____ Township _____19S____ Range ____31E___ County: __Eddy County, NM_____ Center of Proposed Design: Latitude Surface Owner: X Federal X State Private Tribal Trust or Indian Allotment Operation: Drilling a new well Drilling (Applies to activities which require prior approval of a permit or notice of intent) P&A Signs: Subsection C of 19.15.17.11 NMAC 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers Signed in compliance with 19.15.3.103 NMAC Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are □ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Box 5) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC ☐ Previously Approved Design (attach copy of design) API Number: ☐ Previously Approved Operating and Maintenance Plan API Number: Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC) Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required. Disposal Facility Name: ____R9166____ Disposal Facility Permit Number: Disposal Facility Name: Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations? Yes (If yes, please provide the information below) No Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specifications - - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Title: ____Sr. Staff Engineering Technician____

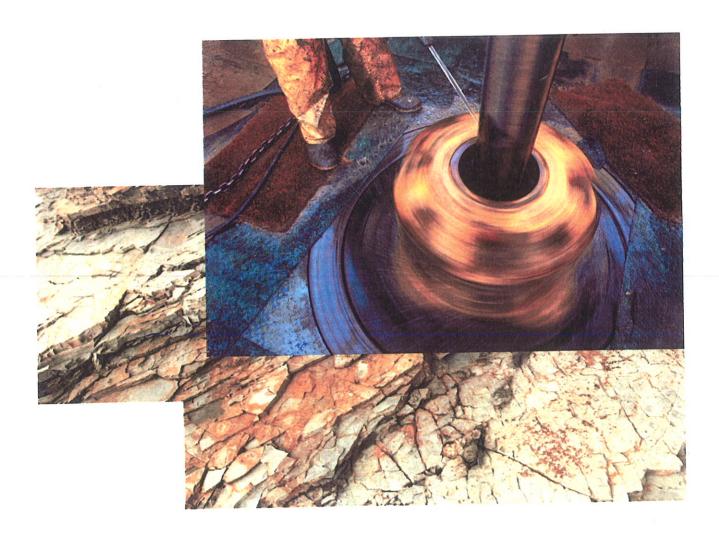
Telephone: ____(405)-552-7802____

Date: ____09/15/2008

7. OCD Approval: Permit Application (including closure plan) Clo	osure Plan (only)
OCD Representative Signature:	Approval Date:
Title:	OCD Permit Number:
Closure Report (required within 60 days of closure completion): Sub	section K of 19.15.17.13 NMAC a prior to implementing any closure activities and submitting the closure report. lays of the completion of the closure activities. Please do not complete this d the closure activities have been completed. Closure Completion Date:
9. Closure Report Regarding Waste Removal Closure For Closed-loop S Instructions: Please indentify the facility or facilities for where the liqu	
two facilities were utilized.	
Disposal Facility Name:	
Disposal Facility Name:	Disposal Facility Permit Number:
Were the closed-loop system operations and associated activities performed Yes (If yes, please demonstrate compliance to the items below)	ed on or in areas that will not be used for future service and operations? No
Required for impacted areas which will not be used for future service and Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	l operations:
10. Operator Closure Certification: I hereby certify that the information and attachments submitted with this obelief. I also certify that the closure complies with all applicable closure.	closure report is true, accurate and complete to the best of my knowledge and requirements and conditions specified in the approved closure plan.
Name (Print):	Title:
Signature:	Date:
a mail addrass	Telephone:



Commitment Runs Deep



Design Plan
Operation and Maintenance Plan
Closure Plan

SENM - Closed Loop Systems June 2008

I. Design Plan

Devon uses MI SWACO closed loop system (CLS). The MI SWACO CLS is designed to maintain drill solids at or below 5%. The equipment is arranged to progressively remove solids from the largest to the smallest size. Drilling fluids can thus be reused and savings is realized on mud and disposal costs. Dewatering may be required with the centrifuges to insure removal of ultra fine solids.

The drilling location is constructed to allow storm water to flow to a central sump normally the cellar. This insures no contamination leaves the drilling pad in the event of a spill. Storm water is reused in the mud system or stored in a reserve fluid tank farm until it can be reused. All lubricants, oils, or chemicals are removed immediately from the ground to prevent the contamination of storm water. An oil trap is normally installed on the sump if an oil spill occurs during a storm.

A tank farm is utilized to store drilling fluids including fresh water and brine fluids. The tank farm is constructed on a 20 ml plastic lined, bermed pad to prevent the contamination of the drilling site during a spill. Fluids from other sites may be stored in these tanks for processing by the solids control equipment and reused in the mud system. At the end of the well the fluids are transported from the tank farm to an adjoining well or to the next well for the rig.

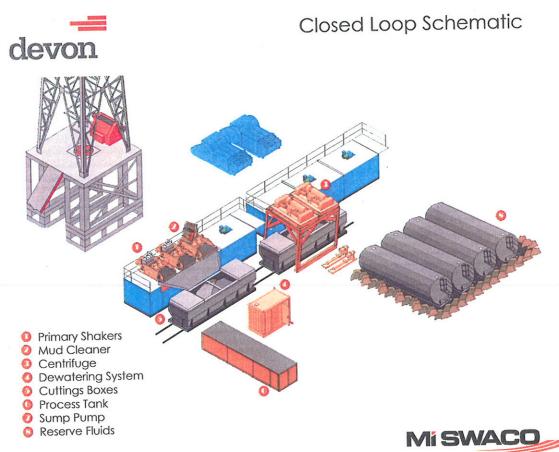
Prior to installing a closed-loop system on site, the topsoil, if present, will be stripped and stockpiled for use as the final cover or fill at the time of closure.

Signs will be posted on the fence surrounding the closed-loop system unless the closed-loop system is located on a site where there is an existing well, that is operated by Devon.

II. Operations and Maintenance Plan

Primary Shakers: The primary shakers make the first removal of drill solids from the drilling mud as it leaves the well bore. The shakers are sized to handle maximum drilling rate at optimal screen size. The shakers normally remove solids down to 74 microns.

Mud Cleaner: The Mud Cleaner cleans the fluid after it leaves the shakers. A set of hydrocyclones are sized to handle 1.25 to 1.5 times the maximum circulating rate. This ensures all the fluid is being processed to an average cut point of 25 microns. The wet discharged is dewatered on a shaker equipped with ultra fine mesh screens and generally cut at 40 microns.



Centrifuges: The centrifuges can be one or two in number depending on the well geometry or depth of well. The centrifuges are sized to maintain low gravity solids at 5% or below. They may or may not need a dewatering system to enhance the removal rates. The centrifuges can make a cut point of 8-10 microns depending on bowl speed, feed rate, solids loading and other factors.

The centrifuge system is designed to work on the active system and be flexible to process incoming fluids from other locations. This set-up is also dependant on well factors.

Dewatering System: The dewatering system is a chemical mixing and dosing system designed to enhance the solids removal of the centrifuge. Not commonly used in shallow wells. It may contain pH adjustment, coagulant mixing and dosing, and polymer mixing and dosing. Chemical flocculation binds ultra fine solids into a mass that is within the centrifuge operating design. The

dewatering system improves the centrifuge cut point to infinity or allows for the return of clear water or brine fluid. This ability allows for the ultimate control of low gravity solids.

Cuttings Boxes: Cuttings boxes are utilized to capture drill solids that are discarded from the solids control equipment. These boxes are set upon a rail system that allows for the removal and replacement of a full box of cuttings with an empty one. They are equipped with a cover that insures no product is spilled into the environment during the transportation phase.

Process Tank: (Optional) The process tank allows for the holding and process of fluids that are being transferred into the mud system. Additionally, during times of lost circulation the process tank may hold active fluids that are removed for additional treatment. It can further be used as a mixing tank during well control conditions.

Sump and Sump Pump: The sump is used to collect storm water and the pump is used to transfer this fluid to the active system or to the tank for to hold in reserve. It can also be used to collect fluids that may escape during spills. The location contains drainage ditches that allow the location fluids to drain to the sump.

Reserve Fluids (Tank Farm): A series of frac tanks are used to replace the reserve pit. These are steel tanks that are equipped with a manifold system and a transfer pump. These tanks can contain any number of fluids used during the drilling process. These can include fresh water, cut brine, and saturated salt fluid. The fluid can be from the active well or reclaimed fluid from other locations. A 20 ml liner and berm system is employed to ensure the fluids do not migrate to the environment during a spill.

If a leak develops, the appropriate division district office will be notified within 48 hours of the discovery and the leak will be addressed. Spill prevention is accomplished by maintaining pump packing, hoses, and pipe fittings to insure no leaks are occurring. During an upset condition the source of the spill is isolated and repaired as soon as it is discovered. Free liquid is removed by a diaphragm pump and returned to the mud system. Loose topsoil may be used to stabilize the spill and the contaminated soil is excavated and placed in the cuttings boxes. After the well is finished and the rig has moved, the entire location is scrapped and testing will be performed to determine if a release has occurred.

All trash is kept in a wire mesh enclosure and removed to an approved landfill when full. All spent motor oils are kept in separate containers and they are removed and sent to an approved recycling center. Any spilled lubricants, pipe

dope, or regulated chemicals are removed from soil and sent to landfills approved for these products.

These operations are monitored by Mi Swaco service technicians. Daily logs are maintained to ensure optimal equipment operation and maintenance. Screen and chemical use is logged to maintain inventory control. Fluid properties are monitored and recorded and drilling mud volumes are accounted for in the mud storage farm. This data is kept for end of well review to insure performance goals are met. Lessons learned are logged and used to help with continuous improvement.

A MI SWACO field supervisor manages from 3-5 wells. They are responsible for training personnel, supervising installations, and inspecting sites for compliance of MI SWACO safety and operational policy.

III. Closure Plan

A maximum 170' X 170' caliche pad is built per well. All of the trucks and steel tanks fit on this pad. All fluid cuttings go to the steel tanks to be hauled by various trucking companies to an agency approved disposal.

Attachment to Exhibit #1 NOTES REGARDING BLOWOUT PREVENTERS

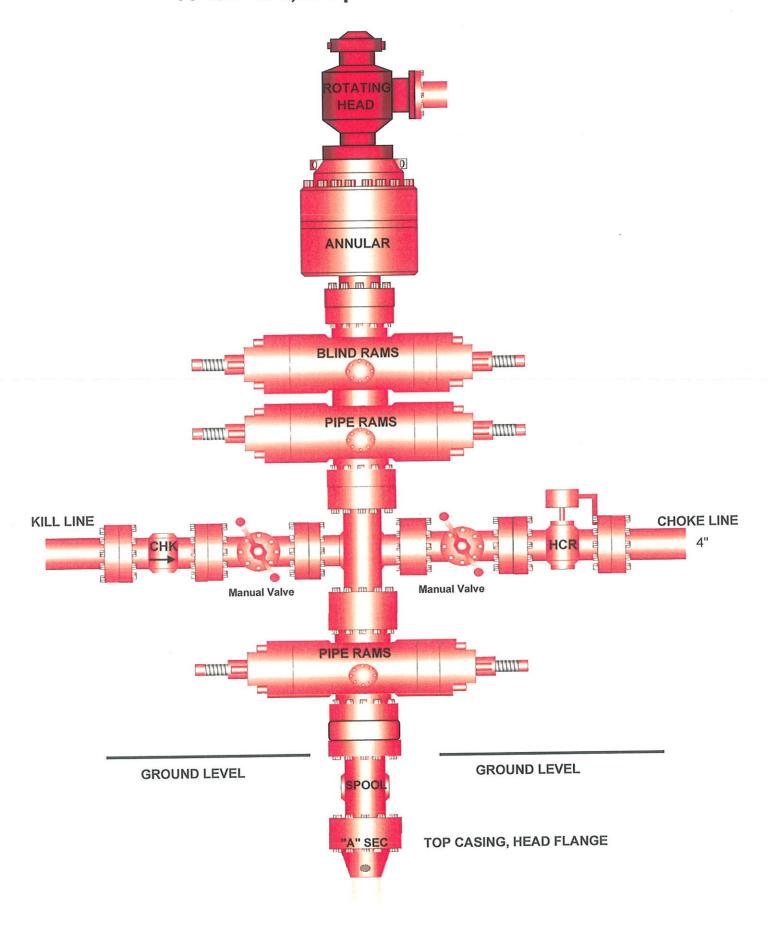
Devon Energy Production Company, LP

Acme 15 Federal Com 1

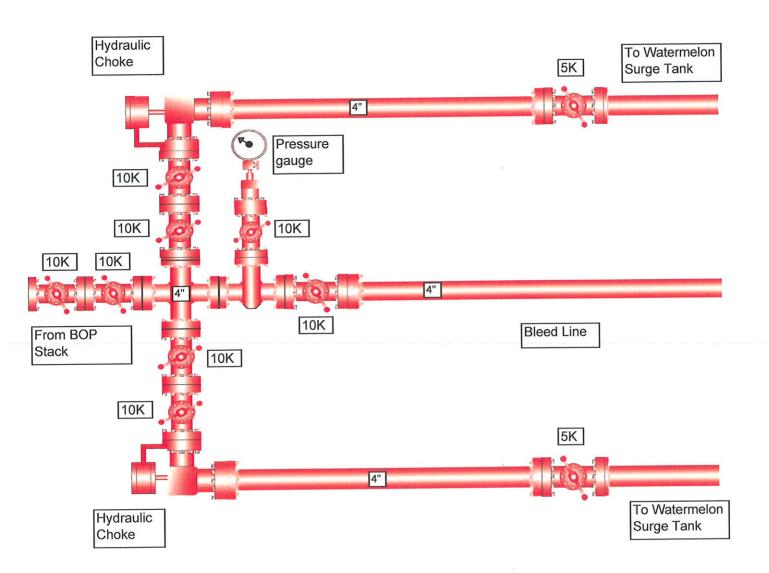
Surface Location: 1650' FSL & 1650' FEL, Unit J, Sec 15 T19S R31E, Eddy, NM Bottom hole Location: 1650' FSL & 1650' FEL, Unit J, Sec 15 T19S R31E, Eddy, NM

- 1. Drilling nipple will be constructed so it can be removed mechanically without the aid of a welder. The minimum internal diameter will equal BOP bore.
- 2. Wear ring will be properly installed in head.
- 3. Blowout preventer and all associated fittings will be in operable condition to withstand a minimum 5000 psi working pressure.
- 4. All fittings will be flanged.
- 5. A full bore safety valve tested to a minimum 5000 psi WP with proper thread connections will be available on the rotary rig floor at all times.
- 6. All choke lines will be anchored to prevent movement.
- 7. All BOP equipment will be equal to or larger in bore than the internal diameter of the last casing string.
- 8. Will maintain a kelly cock attached to the kelly.
- 9. Hand wheels and wrenches will be properly installed and tested for safe operation.
- 10. Hydraulic floor control for blowout preventer will be located as near in proximity to driller's controls as possible.
- 11. All BOP equipment will meet API standards and include a minimum 40 gallon accumulator having two independent means of power to initiate closing operation.

13-5/8" x 5,000 psi BOP Stack



10,000 PSI CHOKE MANIFOLD



HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

- 1. All Company and Contract personnel admitted on location must be trained by a qualified H2S safety instructor to the following:
 - a. Characteristics of H2S
 - b. Physical effects and hazards
 - c. Proper use of safety equipment and life support systems.
 - d. Principle and operation of H2S detectors, warning system and briefing areas
 - e. Evacuation procedures, routes and first aid.
 - f. Proper use of 30-minute pressure demand air pack.
- 2. H2S Detection and Alarm System
 - a. H2S detectors and audio alarm system to be located at bell nipple, end of blooie line (mud pit) and on derrick floor or doghouse.
- 3. Windsock and/or wind streamers
 - a. Windsock at mud pit area should be high enough to be visible
 - b. Windsock at briefing area should be high enough to be visible
 - c. There should be a windsock at entrance to location
- 4. Condition Flags and Signs
 - a. Warning Sign on access road to location
 - b. Flags to be displayed on sign at entrance to location. Green flag, normal safe condition. Yellow flag indicates potential pressure and danger. Red flag, danger, H2S present in dangerous concentration. Only emergency personnel admitted to location.
- 5. Well Control Equipment
 - a. See Exhibit "E" & "E-1"
- 6. Communication
 - a. While working under masks chalkboards will be used for communication.
 - b. Hand signals will be used where chalk board is inappropriate
 - c. Two way radio will be used to communicate off location in case of emergency help is required. In most cases cellular telephones will be available at most drilling foreman's trailer or living quarters.
- 7. Drill stem Testing
 - a. Exhausts will be watered
 - b. Flare line will be equipped with an electric igniter or a propane pilot light in case gas reaches the surface.
 - c. If the location is near to a dwelling a closed DST will be performed.
- 8. Drilling contractor supervisor will be required to be familiar with the effects H2S has on tubular goods and other mechanical equipment.

If H2S is encountered, mud system will be altered if necessary to maintain control or formation. A mud gas separator will be brought into service along with H2S scavengers if necessary.

Emergency Procedures

In the case of a release of gas containing H_2S , the first responder(s) must isolate the area and prevent entry by other persons into the 100 ppm ROE. Additionally the first responder(s) must evacuate any public places encompassed by the 100 ppm ROE. First responder(s) must take care not to injure themselves during this operation. Company and/or local officials must be contacted to aid in this operation. Evacuation of the public should be beyond the 100 ppm ROE.

All responders must have training in the detection of H_2S , measures for protection against the gas, equipment used for protection and emergency response. Additionally, responders must be equipped with H_2S monitors and air packs in order to control the release. Use the "buddy system' to ensure no injuries during the response.

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO₂). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

Characteristics of H₂S and SO₂

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H ₂ S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO ₂	2.21 Air = 1	2 ppm	N/A	1000 ppm

Contacting Authorities

Devon Energy Corp. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. Devon Energy Corp. Company response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

Devon Energy Corp. Company Call List

Arte	sia (575)	Cellular	Office	Home	
Asst. Don Mon	Foreman – Bobby Mayberry tral Walkertral Walker	390-5893 Jones748-7447 748-7180 (575) 390-5182 (575) 513-0534	748-0176 748-5235 .(575) 748-0193	746-3194 746-4945	
Agency	Call List				
<u>Lea</u> <u>County</u> (505)	City Police		•••••	39	7-9265
	Fire Departmer LEPC (Local E NMOCD	ntmergency Planning (Committee)	39 39	7-9308 3-2870 3-6161
Eddy County (505)	Carlsbad State Police City Police			88	5-3137 5-2111
	Ambulance Fire Department LEPC (Local E US Bureau of I New Mexico E 24 HR	mergency Planning of the control of	Committee)		1 85-2111 7-3798 7-6544 75) 476-9600 75) 827-9126
Give GPS position:	Cudd Pressure G Halliburton B. J. Services Flight For Life Aerocare - Lub Med Flight Air	ices IWC Control Lubbock, TX bock, TX Amb - Albuquerque	(915) €	599-0139 or (9 (5' (8 (8) (5	15) 563-3356 75) 746-2757 75) 746-3569 06) 743-9911 06) 747-8923 75) 842-4433

SURFACE USE PLAN

Devon Energy Production Company, LP

Acme 15 Federal Com 1

Surface Location: 1650' FSL & 1650' FEL, Unit J, Sec 15 T19S R31E, Eddy, NM Bottom hole Location: 1650' FSL & 1650' FEL, Unit J, Sec 15 T19S R31E, Eddy, NM

1. Existing Roads:

- a. The well site and elevation plat for the proposed well are reflected on the well site layout; Form C-102. The well was staked by Basin Surveys.
- b. All roads into the location are depicted on Exhibit 3.
- c. Directions to Location: From the Co. Rd 222 and Co. Rd. 248; go east on Co. Rd 248 for 0.3 miles to lease road, on lease rod go south 0.1 miles to well pad and proposed lease road.

2. New or Reconstructed Access Roads:

- a. The well site layout, Form C-102 shows the existing County Road. Approximately 1689' of new access road will be constructed as follows:
- b. The maximum width of the road will be 15'. It will be crowned and made of 6" of rolled and compacted caliche. Water will be deflected, as necessary, to avoid accumulation and prevent surface erosion.
- c. Surface material will be native caliche. This material will be obtained from a BLM approved pit nearest in proximity to the location. The average grade will be approximately 1%.
- d. No cattle guards, grates or fence cuts will be required. No turnouts are planned.

3. Location of Existing Wells:

1 Mile Radius Plat shows all existing and proposed wells within a one-mile radius of the proposed location. See attached plat.

4. Location of Existing and/or Proposed Production Facilities:

- a. In the event the well is found productive, the Acme 15 Federal Com 1 tank battery would be utilized and the necessary production equipment will be installed at the well site. See Production Facilities Layout diagram.
- b. If necessary, the well will be operated by means of an electric prime mover. Electric power poles will be set along side of the access road.
- c. All flow lines will adhere to API standards.
- d. If the well is productive, rehabilitation plans are as follows:
 - i. The reserve pit will be back-filled after the contents of the pit are dry (within 120 days after completion, weather permitting).
 - ii. The original topsoil from the well site will be returned to the location. The drill site will then be contoured as close as possible to the original state.

5. Location and Types of Water Supply:

This location will be drilled using a combination of water mud systems (outlined in the Drilling Program). The water will be obtained from commercial water stations in the area and hauled to location by transport truck using the existing and proposed roads shown in the C-102. On occasion,

water will be obtained from a pre-existing water well, running a pump directly to the drill rig. In these cases where a poly pipeline is used to transport water for drilling purposes, proper authorizations will be secured. If a poly pipeline is used, the size, distance, and map showing route will be provided to the BLM via sundry notice.

6. Construction Materials:

All caliche utilized for the drilling pad and proposed access road will be obtained from an existing BLM approved pit or from prevailing deposits found under the location. All roads will be constructed of 6" rolled and compacted caliche. Will use BLM recommended use of extra caliche from other locations close by for roads, if available.

7. Methods of Handling Waste Material:

- a. Drill cuttings will be disposed of in the reserve pits.
- b. All trash, junk and other waste material will be contained in trash cages or trash bins to prevent scattering. When the job is completed all contents will be removed and disposed of in an approved sanitary landfill.
- c. The supplier, including broken sacks, will pick up salts remaining after completion of well.
- d. A Porto-john will be provided for the rig crews. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.
- e. Remaining drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry enough to be broken out for further drying. If the drilling fluids do not evaporate in a reasonable time they will be hauled off by transports to a state approved disposal site. Later pits will be broken out to speed dry. Water produced during completion will be put in reserve pits. Oil and condensate produced will be put in a storage tank and sold.
- f. Disposal of fluids to be transported by the following companies:
 - i. American Production Service Inc, Odessa TX
 - ii. Gandy Corporation, Lovington NM
 - iii. I & W Inc, Loco Hill NM
 - iv. Jims Water Service of Co Inc, Denver CO
- 8. Ancillary Facilities: No campsite or other facilities will be constructed as a result of this well.

9. Well Site Layout

- a. Exhibit D shows the proposed well site layout with dimensions of the pad layout.
- b. This exhibit indicated proposed location of reserve and sump pits and living facilities.
- c. Mud pits in the active circulating system will be steel pits & the reserve pit will be lined.
- d. If needed, the reserve pit is to be lined with polyethylene. The pit liner will be 6 mils thick. Pit liner will extend a minimum 2'00" over the reserve pits dikes where the liner will be anchored down.
- e. The reserve pit will be fenced on three sides with four strands of barbed wire during drilling and completion phases. The fourth side will be fenced after all drilling operations have ceased to preclude endangering wildlife.

10. Plans for Surface Reclamation:

- a. After concluding the drilling and/or completion operations, if the well is found non-commercial, the caliche will be removed from the pad and transported to the original caliche pit or used for other drilling locations. The road will be reclaimed as directed by the BLM. The reserve pit area will be broken out and leveled after drying to a condition where these efforts are feasible. The original top soil will again be returned to the pad and contoured, as close as possible, to the original topography. Will close the pits per OCD compliance regulations.
- b. The pit lining will be buried or hauled away in order to return the location and road to their pristine nature. All pits will be filled and location leveled, weather permitting, within 120 days after abandonment.
- c. The location and road will be rehabilitated as recommended by the BLM.
- d. If the well is a producer, the reserve pit fence will be torn down after the pit contents have dried. The reserve pit and those areas of the location not essential to production facilities will be reclaimed and seeded per BLM requirements.
- e. If the well is deemed commercially productive, the reserve pit will be restored as described in 10(A) within 120 days subsequent to the completion date. Caliche from areas of the pad site not required for operations will be reclaimed. The original top soil will be returned to the area of the drill pad not necessary to operate the well. These unused areas of the drill pad will be contoured, as close as possible, to match the original topography.

11. Surface Ownership

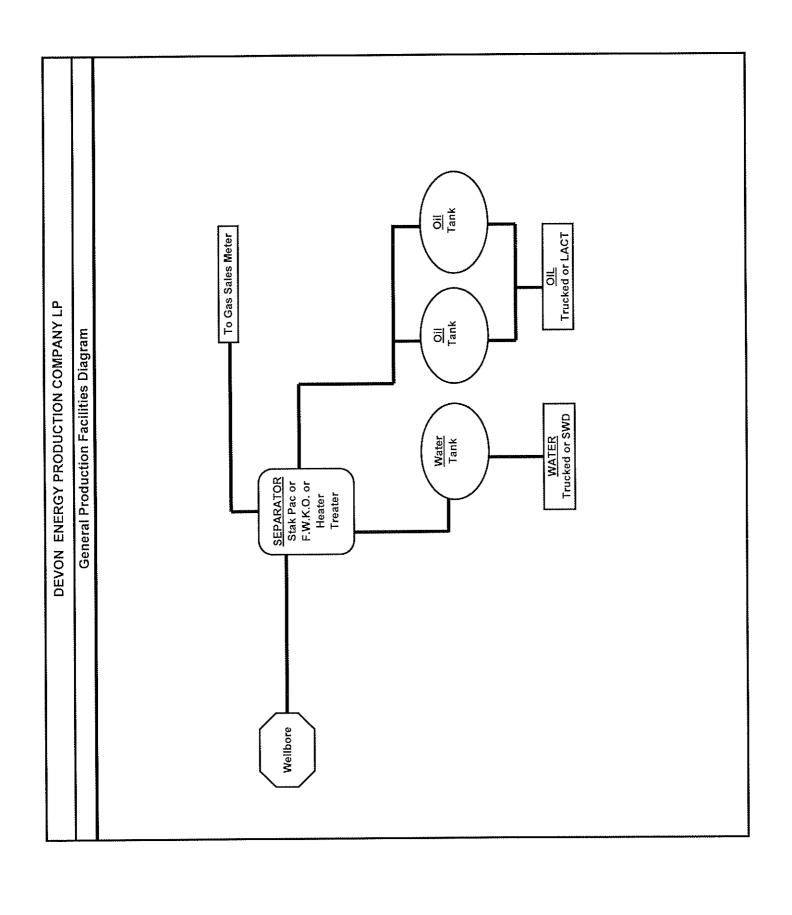
- a. The surface is owned by the US Government and is administered by the Bureau of Land Management. The surface is multiple use with the primary uses of the region for the grazing of livestock and the production of oil and gas.
- b. The proposed road routes and the surface location will be restored as directed by the BLM.

12. Other Information:

- a. The area surrounding the well site is grassland. The topsoil is very sandy in nature. The vegetation is moderately sparse with native prairie grass, sagebush, yucca and miscellanous weeds. No wildlife was observed but it is likely that deer, rabbits, coyotes, and rodents traverse the area.
- b. There is no permanent or live water in the general proximity of the location.
- c. There are no dwellings within 2 miles of location.
- d. A Cultural Resources Examination will be completed by Southern New Mexico Archaeological Services, Inc. and forwarded to the BLM office in Carlsbad, New Mexico.

13. Bond Coverage:

Bond Coverage is Nationwide; Bond # is CO-1104



Operators Representative:

The Devon Energy Production Company, L.P. representatives responsible for ensuring compliance of the surface use plan are listed below.

Marcos Ortiz Operations Engineer Advisor Don Mayberry Superintendent

Devon Energy Production Company, L.P. 20 North Broadway, Suite 1500 Oklahoma City, OK 73102-8260

Devon Energy Production Company, L.P. Post Office Box 250
Artesia, NM 88211-0250

(405) 552-8152 (office) (405) 317-0666 (cell) (575) 748-0164 (office) (575) 748-5235 (cell)

Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road proposed herein; that I am familiar with the conditions that presently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or Devon Energy Production Company, L.P. am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

I hereby also certify that I, or Devon Energy Production Company, L.P. have made a good faith effort to provide the surface owner with a copy of the Surface Use Plan of Operations and any Conditions of Approval that are attached to the APD.

Executed this _15th___day of___September___, 2008.

Printed Name: Stephanie A, Y sasaga

Signed Name:
Position Title: Sr. Staff Engineering Technician
Address: 20 North/Broadway, OKC OK 73102

Telephone: (405)-552-7802

Field Representative (if not above signatory): Don Mayberry (see above)

Address (if different from above): Telephone (if different from above):

E-mail (optional):